OK

Depth 6	7	Reference to last Measurement 8

M. A. R. 57 (Rule 116)
Measurement Book

No. B

425215

Serial No. 1st & final bill.

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency ..... K.R.I.D.L.

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of Work :- Improvements of Road and drains Sai Road at Hegade Nagara in Ward No.-06.						
	Estimate Cost of Work :- Rs 50.00 Lakhs.						
	Job Code :- 006-18-000020						
	Work Order Number :- BBMP/EE/BTP/WO/38/2017-18.						
	Work Order Date :- 23-12-2017.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No 1.	Excavation for road, drains and similar works. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m and excavated surface levelled and sides neatly dressed the disposed earth to be levelled neatly after breaking of clods complete as per specification. PM Qty recorded vide page No 425284/2 of this MB = 608.45 cum. Limited Qty = 603.00 cum. @ Rs 86.92/cum ⇒ Rs. 52412.76						
Item No. 2.	Loading and unloading of stone boulder/stone aggregate/sand/ kanar/moorum. Placing tipper at loading point, loading with front end loader, dumping turning for return trip excluding						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	time for haulage a Carr
Item No. 3.	Providing and layi OPC cement @ 180 coarse aggregates @ mixed, concrete lai in foundation and

K

epth 6	Contents 7	Reference to last Measurement 8
works. Earthwork excavation g an average horizontal to 0.5m and excavated the disposed earth to complete as per MB = 608.45 cum. Qty = 603.00 cum. 2/cum ⇒ Rs. 52412.76 tone aggregate/sand/ point, loading with return trip excluding		

(e 116)
t Book

No. B

425216

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	time for haulage and return trip complete as per specification. Carry out Qty same as Item No. 1 = 608.45 cum. Limited Qty = 603.00 cum. @ Rs. 100.00/cum ⇒ Rs 60300.00.						
Item No. 3.	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials, labour, TOM						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of machinery, curing complete as per specification. PM Qty recorded vide page No 425285 of this MB = 92.50 cum. Limited Qty = 90.45 cum. @Rs 5159.02/cum ⇒ Rs. 466633.36						
Item No.4	Providing TMT steel reinforcement for R.C.C works including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever necessary tying with binding wire and anchoring to the adjoining members wherever necessary as per design (Clips, hooks and wastage shall not be measured and paid) cost of material labour, HOM of machinery complete as per specification. PM Qty recorded vide page No 425286 of this MB = 16.4684 tonne.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
Item No. 5.	Providing and reme removal of form w including attached all materials, labo PM Qty recorded vide
Item No. 6.	Providing and layi

Contents 7	Reference to last Measurement 8
cation.	
92.50 cum.	
90.45 cum.	
cum ⇒ Rs. 466633.36	
works including straight-	
tion, lapping and/or	
g wire and anchoring	
as per design Clips,	
nd paid) cost of material	
cification.	
s = 16.4684 tonne.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B
425217

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						Limited Qty = 15.866	tonne.
						@Rs 64243.42/tonne ⇒ Rs. 1019286.10.	
Item No. 5.	Providing and removing centering, shuttering, struting, propping etc., and removal of form work for vertical surface such as walls at any thickness including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specification. PM Qty recorded vide page No. 425287/2					of this MB = 1519.46 sqm.	
						@Rs 310.58/sqm ⇒ Rs 471913.89.	
Item No 6.	Providing and laying in position reinforced cement of design mix M20 with						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	OPC cement @ 320kgs with 20mm and down size graded granite metal coarse aggregated @0.69cum and fine aggregated @0.46 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed concrete laid in layers not exceeding 15cms thick vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, bed blocks, anchor blocks, plinths etc., including cost of all materials, labour, HOM of machinery, curing complete but excluding cost of reinforcement as per specification. PM Qty recorded vide page No. 425286/2, 425288/2) of this MB						
						= 204.90 cum.	

Serial No. .....
Name of Work ..... Fr
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
Item No. 7.	Providing and fixing RCC pr 20mm and down size gra cost of all material, labour 12th cross road W/S.	1 x 1 1 x 1 1 x 1 1 x 1 1 x 1 1 x 1

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		d down size graded granite	
		nd fine aggregated @ 0.46 cum	
		ing to IS 9103-1999	
		ete laid in layers not	
		l works in foundation for	
		eturn walls, walls (any	
		, columns, piers, abutments,	
		locks, anchor blocks, plinths	
		our, HOM of machinery,	
		reinforcement as per specification.	
		425288/2)	
		is MB J. = 204.90 cum.	

(e 116)
t Book

No. B

425218

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				Limited Qty =		204.53 cum.	
				@ Rs 6371.66/cum ⇒ Rs.		1303195.62.	
Item No. 7.	Providing and fixing RCC precast slabs of 0.10m thick of CC 1:2:4 with 20mm and down size graded granite metal machine mixed, including cost of all material, labour, HOM of machinery, curing complete.						
	12th cross road W/S.	1	30.00	0.90	—	27.00	Sqm
		1	30.00	0.90	—	27.00	"
		1	30.00	0.90	—	27.00	"
		1	30.00	0.90	—	27.00	"
		1	30.00	0.90	—	27.00	"
		1	30.00	0.90	—	27.00	"

RCC 24/02

162-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	162 -	
1	2	3	4	5	6	7	8
	12th Cross Road E/S.	1 x 1	30.00	0.90	—	27.00	sq.m.
		1 x 1	25.50	0.90	—	22.95	"
		1 x 1	30.00	0.90	—	27.00	"
		1 x 1	30.00	0.90	—	27.00	"
		1 x 1	30.00	0.90	—	27.00	"
		1 x 1	30.00	0.90	—	27.00	"
		1 x 1	30.00	0.90	—	27.00	"
		1 x 1	30.00	0.90	—	27.00	"
		1 x 1	30.00	0.90	—	27.00	"
		1 x 1	29.00	0.90	—	26.10	"
	12th Cross to 11th Cross N/S	1 x 1	30.00	0.90	—	27.00	"
		1 x 1	2.80	0.90	—	2.52	"
	11th Cross to 10th Cross N/S.	1 x 1	30.00	0.90	—	27.00	"
		1 x 1	1.50	0.90	—	1.35	"
	10th Cross to 9th Cross N/S.	1 x 1	20.00	0.90	—	18.00	"
						502.92	

C & UC

2018

15/2/2018

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	missing slab.

7% for

Contents 7	Reference to last Measurement 8
162 -	
27.00	sqm.
22.95	"
27.00	"
27.00	"
27.00	"
27.00	"
27.00	"
27.00	"
27.00	"
26.10	"
27.00	"
2.52	"
27.00	"
1.35	"
18.00	"
502.92	

...le 116)
...t Book

No. B

425219

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6	502.92	
	missing slab.	65.	0.90	0.60	-	35.10	sqm
					Net Qty =	538.02	sqm.
					@Rs 2100.00/sqm ⇒	Rs.	1129842.00
				Sub Total Amount	=	Rs.	4503584.00
				3% for KRIDL charges	=	Rs	135108.00
				1% for Labour charges	=	Rs	45036.00
				7% for applicable GST charges	=	Rs	315251.00
				Grand Total Amount	=	Rs.	4998979.00

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

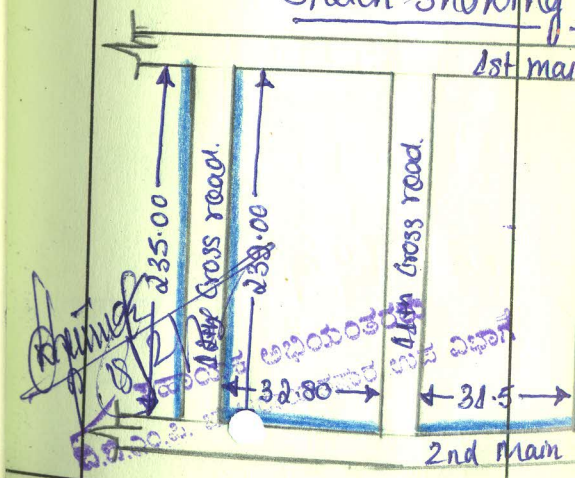
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬೆಂಗಳೂರು-24

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CERTIFICATE:-						
	1) The contractor has completed the work as per specification.						
	2) The contractor has removed all the debris from work spot.						
	3) There are no departmental issues to the contractor.						
	Assistant Executive Engineer Byatarayanapura Sub-division KRIDL BBMP, Bangalore						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	Sketch showing	



K

epth 6	Contents 7	Reference to last Measurement 8
as per specification.		
ors from work spot.		
contractor.		

e 116)
Book

No. B

425220

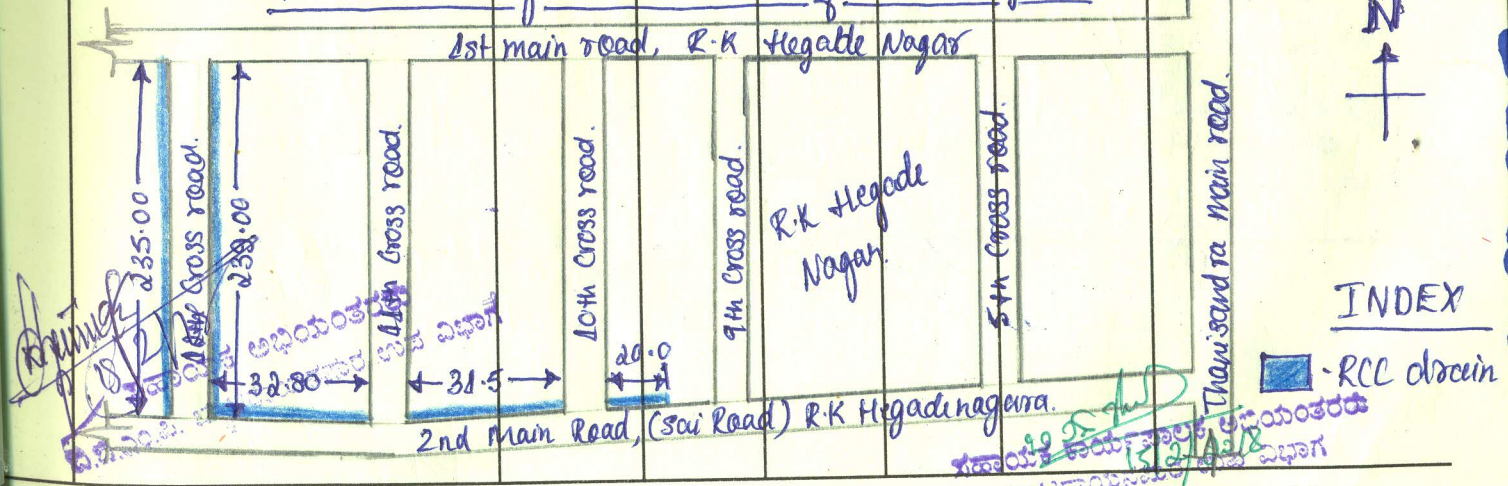
Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Sketch showing the details of work spot.						



Key:- not to scale.

N

INDEX

- RCC drain

MEASUREME...K

Date	Full description, etc, of work	D...				Contents	Reference to last Measurement
		Number	Leng...		epth		
1	2	3	4		6	7	8
	49,98,979-00 4649 06-00 45,34,073-00 Rs. Forty five Lakh thirty four thousand seven hundred and three only.						

Today Rs: 4998,979-00

IT- 99980-00
Cess- 49990-00
CBF- 4999-00
LR- 59988-00
FSD- 24 9949-00

Adju 464906-00

Cheque: 45,34,073-00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2